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	Attorney Docket Nun	nber	1870-00400		
DECLARATION FOR UTILITY OR DESIGN	First Named Invent	r	MARIANI, Roberto		
PATENT APPLICATION	COMPLETE IF KNOWN				
(37 CFR 1.63)	Application Number	/Not Yet Assign			
☑ Declaration ☐ Declaration	Filing Date	Concu	rrently Herewith		
Submitted OR Submitted after Initial	Group Art Unit	UNKNO			
with Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Examiner Name	UNKNO	wwi		

As a below named inven	tor, I hereby declare that:								
My residence, post office	My residence, post office address, and citizenship are as stated below next to my name.								
	first and sole inventor (if only fithe subject matter which is o			rst and joint inventor (if plural the invention entitled:					
Face Direction Estimation Using a Single Gray-Level Image									
[文] ·	is attached hereto								
was filed on (MM/D	DD/YYYY)	as Unite	d States Applicat	tion Number or PCT International					
Application Number	and wa	as amended on (MM/DD/Y	m [(if applicable).					
I hereby state that I have re	eviewed and understand the	contents of the above ident	,	n, including the claims, as					
	ent specifically referred to abo		defined in 07 OF	'D 4 50					
acknowledge the duty to d	disclose information which is i	naterial to patentability as	defined in 37 CF	H 1.56.					
I her by claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.									
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD(YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO					
9905429-8	SINGAPORE	03/11/1999							
		11/2/60							
		11/3/17							
Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:									
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.									
Application Number	r(s) Filing Date	(MM/DD/YYYY)							
			numbe supple	onal provisional application ers are listed on a emental priority data sheet SB/02B attached hereto.					
	}	,	:						

[Page 1 of 2]

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DECLARATION — Utility or Design Patent Application

hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.													
U.S	S. Pare	nt Application		PCT F	Parent		F	Parent Filing Date Pa				t Patent N applicable	
		CT International											
		ereby appoint the					(s) to	prosecute	this application	on and to tra	nsact	all business in	
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Name of S	ole or F	irst invento	r:					A petition	on has beer	n filed for t	hls un	signed inve	ntor
Ģ	ven Nar	ne (first and m	iddle (if	anyl)			\Box		Fami	ly Name o	r Sum	name	
Robert	0		ردسر					MARIA	ANI				
inventor's Signature		La de la									Date	28/2/20	
Residence:	City	Singapore State				Country Singapore Cltizenship France							
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City		Singapore	State			z	IP	248670	268847	Count	гу	Singapor	e
Additiona	Linvento	rs are being n	amed o	n the	1 su	poleme	ntal	Additional	inventor(s)	sheet(s) F	PTO/S	B/02A attac	hed hereto

valid OMB control number.

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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor							entor ·			
Given Name (first and middle [if any])				Family Name or Sumame						
Jiankang				W	J		w.			
Inventor's Signature	Sous	<u>س</u>	,					Date	2	28/2/00
Residence: City	Singapore	apore State Country Singapore Ci					Citizens	hip (China	
Post Office Address	Blk 51, Teban Gardens Road, #06-565									
Post Office Address				· · · · · · · · · · · · · · · · · · ·						
City	Singapore	State			ZIP	600051	Country	ySing	apor	·e
Name of Addition	Name of Additional Joint Inventor, if any:								rentor	
Given Nar	me (first and middle [if any])		Family Name or Sumame						
Inventor's Signature	·							Da	te	
Residence: City		State	, -,,,,,		Country			Citizer	nship	
Post Office Address		·								
Post Office Address						,	,			
City		State			ZIP		Cour	ntry		
Name of Addition	nai Joint Inventor, if an	ıy:			A petitio	on has been file	d for th	nis unsigr	ned inv	entor
Given Na	me (first and middle [if any])				Family Na	me or S	Sumame		
Inventor's Signature								Da	te_	
Residence: City	State				Country				Citizenship	
Post Office Address										
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Attorney Docket No. 1870-00400

SUPPLEMENTAL DECLARATION

SOLE/JOINT INVENTOR ORIGINAL/SUBSTITUTE/CIP

As a below named inventor, I hereby declare that: my residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first, and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: "FACE DIRECTION ESTIMATION USING A SINGLE GRAY-LEVEL IMAGE" as described in the specification of patent application Serial No. 09/528,279, filed March 17, 2000.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above; that I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application; that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months prior to this application; and that I acknowledge the duty to disclose information of which I am aware which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations § 1.56(a). Such information is material when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant has taken or may take in:
 - (I) opposing an argument of unpatentability relied on by the Office, or
 - (II) asserting an argument of patentability.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 of any foreign application(s) for patent or inventor's certificates listed below and have also identified below any foreign application(s) having a filing date before that of the application(s) on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE OF FILING	PRIORITY CLAIMED UNDER 35 USC 119
SINGAPORE	9905429-8	November 3, 1999	YES

I hereby claim the benefit under Title 35 United States Code § 120 and/or § 119(e) of any United States application(s) listed below and, insofar as any subject matter of any claim of this application is not disclosed in the prior United States Application, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations § 1.56(a) which occurred between the filing date of the prior application and the national PCT International filing date of this application:

N/A

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNATURE	DATE
Roberto MARIANI	X	X May, 30th, 200
RESIDENCE		CITIZENSHIP
Blk 56, Farrer Road, Spanish Village, #01-65, Singap	ore, 268847	FRANCE
POST OFFICE ADDRESS		
SAME AS ABOVE		
FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Jiankang WU	x Sing was	May 3079 200
RESIDENCE		CITIZENSHIP
Blk 51, Teban Gardens Road, #06-565, Singapore, 60	00051	CHINA
POST OFFICE ADDRESS		
SAME AS ABOVE	•	



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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/17/2000

REEL/FRAME: 010637/0245

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MARIANI, ROBERTO

DOC DATE: 02/28/2000

ASSIGNOR:

WU, JIANKANG

DOC DATE: 02/28/2000

ASSIGNEE:

KENT RIDGE DIGITAL LABS 21 HENG MUI KENG TERRACE SINGAPORE 119613, SINGAPORE

SERIAL NUMBER: 09528279

PATENT NUMBER:

FILING DATE: ISSUE DATE:

ISSUE DATE.

MARY BENTON, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

	•	. E	kpres	ss Mail Leel No. EL497838970US
Practitioner's Docket No.	1870-00400	_		PATENT
		For:	[X]	U.S. and/or [X] Foreign Rights
		For:	[X]	U.S. Application or
		For:	[]	U.S. Provisional Application
•		For:	[]	U.S. Patent
		For:	[]	PCT Application
		By:		Multiple Inventors
ASSIGNMEN	T OF INVENTIO	N (MII)	LTIP	LE INVENTORS)
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ASSIGNORS (Inventors):		#01- 24 RA HIVI,	oś INBO SHYG	MANSION ONE TREE APORT 248670, OF SINGAPORE
ROBERTO MARIANI				FRANCE
(type or print name of inventors)	-	Address	3	Nationality
		#06-56	5, SIN	BAN GARDENS ROAD, IGAPORE 600051, OF SINGAPORE
JIANKANG WU				CHINA
(type or print name of inventors)	-	Addres	ss	Nationality

Address

(type or print name of inventors

Nationality

hereby sells, assigns and transfers to ASSIGNEE:

21 HENG MUI KENG TERRACE, SINGAPORE 119613, REPUBLIC OF SINGAPORE

KENT RID	GE DIGITA	L LABS							
(type or prin	t name of ASS	SIGNEE) Address							
SINGAPO	RE								
Nationality									
and the suc	cessors, assi	gns and legal representatives of the ASSIGNEE							
		(complete one of the following)							
[X] the entire right, title and interest									
[] ar	[] an undivided percent (%) interest								
for the Uni	ted States an	d its territorial possessions							
	(chec	k the following box, if foreign rights are also to be assigned)							
		countries, including all rights to claim priority,							
	•	provements which are disclosed in the invention entitled:							
FACE DIR	ECTION EST	FIMATION USING A SINGLE GRAY LEVEL IMAGE							
Name of in	ventor(s)	ROBERTO MARIANI; JIANKANG WU							
		(check and complete (a), (b), (c), (d), (⊖), (f) or (g))							
and which is found in (37 C.F.R. § 3.21)									
(a)	[X]	U.S. patent application executed on even date herewith							
(b)	[]	U.S. patent application executed on							
(c)	[]	U.S. provisional application naming the above inventor(s) for the							
		above entitled invention. [] Express mail label no.:							
		Mailed:							
(d)	[]	To comply with 37 C.F.R. 3.21 for recordal of this assignment, I an							
		ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when							
		they become known.							
(d)	[]	U.S. application no.							
		filed on							
(e)	[]	International application no. PCT/_/							
(f)	[]	U.S. patent noissued							
		[] A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.							
	(c	also check (g), if foreign application(s) is also being assigned)							
(g)	[X]	and any legal equivalent thereof in a foreign country, including the							
(6)	r 1	right to claim priority							

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have	ave hereunto set h	and and seal this	(X) 18/1/82 (X)
	•		Date of signing
·			
ROBERTO MARIANI		(V) 22V	استنان
	· -	(X) / 1/2 V	NTOD
(type name of Inventor)		Signature of INVE	NTOR
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			-1/
JIANKANG WU	. <u>.</u>	(X) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
(type name of Inventor)		Signature of INVE	NTOR
<i>:</i>			•
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WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

[] Notarization or Legalization Page Added.

NOTE No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired